

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in this application.

- 1.(Previously Presented) A method, comprising:
- detecting a change in subscription information of a subscriber;
 - checking whether a capability of an Old Serving Call State Control Function (S-CSCFo) serving a terminal device of said subscriber is still in accordance with said changed subscription information; and
 - initiating, in response to a result of said checking being that said capability of said S-CSCFo serving said terminal device of said subscriber is not still in accordance with said changed subscription information, a registration procedure for registering said terminal device of said subscriber to a new Serving Call State Control Function (S-CSCFn) that is in accordance with said changed subscription information.
- 2.(Previously Presented) A method according to claim 1, wherein said checking comprises checking whether said S-CSCFo is still capable of serving said terminal device of said subscriber based on said changed subscription information.
- 3.(Previously Presented) A method according to claim 1, wherein said detecting is based on a detection of a subscriber profile update.
- 4.(Previously Presented) A method according to claim 1, wherein said detecting is based on a detection of a subscription of said subscriber to a new service.

5.(Previously Presented) A method according to claim 1, wherein said checking is performed on the basis of a capability information added based on said detecting a response message of a re-registration procedure initiated by said terminal device.

6.(Previously Presented) A method according to claim 5, wherein said re-registration procedure is initiated by said terminal device in response to a de-registration procedure initiated when a change of said subscription information has been detected in said detecting.

7.(Previously Presented) A method according to claim 5, wherein said re-registration procedure is a periodic re-registration procedure initiated at predetermined intervals.

8.(Previously Presented) A method according to claim 1, wherein a configuration information is provided for determining subscribed services needing predetermined S-CSCFs.

9.(Previously Presented) A method according to claim 1, wherein said checking further comprises:

transmitting a capability query comprising an information indicating at least one required capability to said S-CSCFo,

comparing capabilities of said S-CSCFo with said information about said at least one required capabilities, and

receiving an acknowledgement indicating the result of said comparing from said S-CSCFo.

10.(Previously Presented) A method according to claim 1, wherein said checking further comprises:

transmitting an information indicating at least one required capability and an identification of said S-CSCFo to an interrogating network element Call State Control Function (I-CSCF),

checking at said I-CSCF whether said S-CSCFo fulfills said at least one required capabilities, and

receiving an acknowledgement indicating the result of said checking from said I-CSCF.

11.(Previously Presented) A method according to claim 9, further comprising:

sending a de-register message for de-registering said terminal device to said S-CSCFo in response to the received result.

12.(Previously Presented) A method according to claim 11, wherein a re-registration procedure is initiated by said terminal device in response to a message issued by said S-CSCFo.

13.(Previously Presented) A method according to claim 11, wherein said de-register message comprises a cause information configured to indicate that the reason for de-registration was a need for changing said subscriber information.

14.(Previously Presented) A method according to claim 13, wherein said cause information is used by said terminal device to detect that a re-registration is required.

15.(Previously Presented) A method according to claim 9, wherein a selection function of said data network is initiated using said information about said at least one required capability, and a resulting identification information of said S-CSCFn is notified to a proxy Call State Control Function (P-CSCF) connected to said terminal device.

16.(Previously Presented) A method according to claim 15, wherein said notification is performed using an identification of said P-CSCF stored at a subscriber database.

17.(Previously Presented) A method according to claim 16, wherein said identification is requested from said S-CSCFo using said de-register message.

18.(Previously Presented) A method according to claim 15, wherein said selection function is performed by an I-CSCF.

19.(Previously Presented) A method according to claim 1, wherein said checking is performed by requesting from said data network a capability list comprising required capabilities of S-CSCFs.

20.(Previously Presented) A method according to claim 19, wherein said capability list is requested from an I-CSCF.

21-31. (Cancelled)

32.(Previously Presented) An apparatus, comprising:
a memory comprising computer program code; and
a processor;

the memory and the computer program code configured to, with the processor, cause the apparatus to perform at least the following:

detecting a change in a subscription information of a subscriber; and

initiating a registration procedure for registering a terminal device of said subscriber to a S-CSCFn in response to a result of a checking operation that has checked whether a capability of a S-CSCFo serving said terminal device of said subscriber is still in accordance with said changed subscription information and that has determined said result is that said capability of said S-CSCFo serving said terminal device of said subscriber is not still in accordance with said changed subscription information, and wherein said S-CSCFn is in accordance with said changed subscription information.

33.(Previously Presented) An apparatus according to claim 32, wherein said initiating further comprises initiating said registration procedure by issuing a de-register message.

34.(Previously Presented) An apparatus according to claim 32, wherein said initiating further comprises initiating said registration procedure by initiating a selection function to select said S-CSCFn.

35.(Previously Presented) An apparatus according to claim 32, wherein said apparatus is a home subscriber server.

36.(Previously Presented) An apparatus according to claim 32, wherein said memory and said computer program code are further configured to, with the processor, cause the apparatus to perform inhibiting an unnecessary registration based on a configuration information provided at said apparatus.

- 37.(Previously Presented) An apparatus, comprising:
- a memory comprising computer program code; and
 - a processor;
- the memory and the computer program code configured to, with the processor, cause the apparatus to perform at least the following:
- registering to a S-CSCFo providing session control services for said apparatus,
- receiving a de-register message containing a cause information, which indicates a reason for the de-register message, the reason indicating that a result of a checking operation for checking a capability of the S-CSCFo indicates that the capability is not in accordance with a change in subscription information of a subscriber associated with the apparatus;
- in response to said de-register message, initiating automatically a new initial registration procedure for registering said apparatus to a S-CSCFn providing session control services for said apparatus, wherein the S-CSCFn is in accordance with said changed subscription information.
- 38.(Previously Presented) An apparatus according to claim 37, wherein said de-register message is a message in accordance with a session initiation protocol.
- 39.(Previously Presented) An apparatus according to claim 38, wherein said de-register message is a session initiation protocol NOTIFY-message.
- 40.(Previously Presented) An apparatus, comprising:
- a memory comprising computer program code; and
 - a processor,

the memory and the computer program code configured to, with the processor, cause the apparatus to perform at least the following:

checking whether a capability of a current S-CSCFo serving a terminal device of a subscriber is still in accordance with a change in subscription information; and

in response to a result of the checking indicating the capability of the current S-CSCFo serving the terminal device of the subscriber is not still in accordance with the change in subscription information, performing a registration procedure for registering said terminal device to a S-CSCFn that is in accordance with the change in subscription information.

41.(Previously Presented) An apparatus according to claim 40, wherein the memory and the computer program code are further configured to, with the processor, cause the apparatus to perform:

sending a registration authorization message to a subscriber database in response to a registration message for a new registration of said terminal device;

receiving in response to the registration authorization message a response message comprising capability information corresponding to the current S-CSCFo; and

using the capability information in the checking.

42. (Canceled)

43.(Previously Presented) An apparatus according to claim 40, wherein said apparatus is an interrogating call state control function of an Internet Protocol multimedia subsystem.

44. (Canceled)

45.(Previously Presented) A computer program product comprising a non-transitory computer-readable memory medium bearing computer program code embodied therein for use with a computer, the computer program code comprising:

code for detecting a change in subscription information of a subscriber;

code for checking whether a capability of a S-CSCFo serving a terminal device of said subscriber is still in accordance with said changed subscription information; and

code for initiating, in response to a result of said checking being that said capability of said S-CSCFo serving said terminal device of said subscriber is not still in accordance with said changed subscription information, a registration procedure for registering said terminal device of said subscriber to a S-CSCFn that is in accordance with said changed subscription information.